

2070US Seq Listing.txt
SEQUENCE LISTING

<110> Davis, Keith
Zayed, Adel
Ascenzi, Robert
Boyes, Doug
Hoffman, Neil
Gorlach, Jorn
Woessner, Jeff
Hamilton, Carol
Phillips, Kenneth

<120> METHODS FOR THE IDENTIFICATION OF INHIBITORS OF FLAVANONE 3-HYDROXYLASE EXPRESSION OR ACTIVITY IN PLANTS

<130> 2070US

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 1077

<212> DNA

<213> Arabidopsis thaliana

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<221> misc_feature

<223> TIGR database locus F24M12_280

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240

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300

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360

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420

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540

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600

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660

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720

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ggcaagacat ggattacggt tcagcctgtt gaaggagcgt ttgtcgtcaa tctcgccgac
780

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840

tctaactcga gcagattatc catagccacg ttccagaacc ccgcgcggaa tgccacagtg
900

tatccactga aagtaagaga aggagagaag gcaatattgg aggagccaat cacgtttgcc
960

gagatgtata agagaaagat gggaaagagat ttggagcttg ctgcctcaa gaagctggct
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1077

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<211> 358

<212> PRT

<213> Arabidopsis thaliana

<400> 2

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Val Phe Ser Asp Glu Ile Pro Val Ile Ser Leu Ala Gly Ile Asp Asp
35 40 45

Val Asp Gly Lys Arg Gly Glu Ile Cys Arg Gln Ile Val Glu Ala Cys
50 55 60

Glu Asn Trp Gly Ile Phe Gln Val Val Asp His Gly Val Asp Thr Asn
65 70 75 80

Leu Val Ala Asp Met Thr Arg Leu Ala Arg Asp Phe Phe Ala Leu Pro
85 90 95

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Pro Glu Asp Lys Leu Arg Phe Asp Met Ser Gly Gly Lys Lys Gly Gly
100 105 110

Phe Ile Val Ser Ser His Leu Gln Gly Glu Ala Val Gln Asp Trp Arg
115 120 125

Glu Ile Val Thr Tyr Phe Ser Tyr Pro Val Arg Asn Arg Asp Tyr Ser
130 135 140

Arg Trp Pro Asp Lys Pro Glu Gly Trp Val Lys Val Thr Glu Glu Tyr
145 150 155 160

Ser Glu Arg Leu Met Ser Leu Ala Cys Lys Leu Leu Glu Val Leu Ser
165 170 175

Glu Ala Met Gly Leu Glu Lys Glu Ser Leu Thr Asn Ala Cys Val Asp
180 185 190

Met Asp Gln Lys Ile Val Val Asn Tyr Tyr Pro Lys Cys Pro Gln Pro
195 200 205

Asp Leu Thr Leu Gly Leu Lys Arg His Thr Asp Pro Gly Thr Ile Thr
210 215 220

Leu Leu Leu Gln Asp Gln Val Gly Gly Leu Gln Ala Thr Arg Asp Asn
225 230 235 240

Gly Lys Thr Trp Ile Thr Val Gln Pro Val Glu Gly Ala Phe Val Val
245 250 255

Asn Leu Gly Asp His Gly His Phe Leu Ser Asn Gly Arg Phe Lys Asn
260 265 270

Ala Asp His Gln Ala Val Val Asn Ser Asn Ser Ser Arg Leu Ser Ile
275 280 285

Ala Thr Phe Gln Asn Pro Ala Pro Asp Ala Thr Val Tyr Pro Leu Lys
290 295 300

Val Arg Glu Gly Glu Lys Ala Ile Leu Glu Glu Pro Ile Thr Phe Ala
305 310 315 320

Glu Met Tyr Lys Arg Lys Met Gly Arg Asp Leu Glu Leu Ala Arg Leu
325 330 335

Lys Lys Leu Ala Lys Glu Glu Arg Asp His Lys Glu Val Asp Lys Pro
340 345 350

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Val Asp Gln Ile Phe Ala
355